

NeoFusion 2011

Second International Symposium on Frontiers in Ubiquitous Computing, Networking and Applications

*September 7-9, 2011, Polytechnic University of Tirana,
Tirana, ALBANIA*

In Conjunction with the 14-th NBiS-2011 International Conference

Overview

Ubiquitous computing is an emerging field of research for computing paradigms in the 21st century. This emergence is the natural result of research and technological advances mainly in wireless communications, mobile computing, embedded computing, autonomic computing and agent technologies. The goal of ubiquitous computing is to enable the fabrics of everyday life with seamless and intelligent computers, devices, technologies and services.

Ubiquitous computing is a post-desktop model of human-computer interaction in which information processing has been thoroughly integrated into everyday objects and activities. In the course of ordinary activities, we use many computational devices and systems simultaneously. This paradigm is also described as pervasive computing or ambient intelligence. When primarily concerning the objects involved, it is also physical computing, the Internet of Things, haptic computing, and things that think.

Ubiquitous computing is the third wave in computing, starting with mainframes and personal computing. In general, people live through their practices and tacit knowledge so that the most powerful things are those that are effectively invisible in use. It is invisible, everywhere computing that does not live on a personal device of any sort, but is everywhere.

UbiComp is an interdisciplinary field that includes technologies that bridge the digital and physical worlds, systems and applications that incorporate such technologies, infrastructures that support them, human activities and experiences these technologies facilitate.

The aim of this symposium is to present the innovative researches, methods and models for ubiquitous computing and networking and their applications.

Topics of Interest

The symposium seeks original contributions in all relevant areas, including but not limited to the following topics:

- **Ubiquitous Computing**
 - Ubiquitous Computing and Technology
 - Ambient and Artificial Intelligence
 - Context-Aware Ubiquitous Computing
 - Parallel/Distributed/Grid Computing
 - Novel Machine Architectures

- Semantic Web and Knowledge Grid
- Smart Home
- **Wireless and Multimedia Networking**
 - Sensor Networks
 - Ad-Hoc Networks
 - Sensor Actor Networks
 - P2P Networks
 - Computer Graphics and Simulation
 - Virtual Reality and Game Technology
 - Multimedia Networking
 - RFID
 - Network Middleware
- **Ubiquitous Services and Applications**
 - Protocols for Ubiquitous Services
 - Ubiquitous Database Methodologies
 - Ubiquitous Application Interfaces
 - U-Commerce and Other Applications
- **Ubiquitous Services and Applications**
 - Ubiquitous Platforms
 - Multimedia in Telemedicine
 - Embedded Systems
 - Entertainment Industry
 - E-Commerce and E-Learning
 - Novel Multimedia Applications
- **Ubiquitous Security**
 - Security Issues and Protocols in Ubiquitous Computing
 - Security Threats and Model in Ubiquitous Computing
 - Key Management, Authentication and Authorization
 - Privacy and Trust in Ubiquitous Environment
 - Wireless Sensor Networks, MANET and RFID Security
 - Multimedia Information Security
 - Forensics and Image Watermarking
 - Security in Commerce and Industry

Organizing Comitee

General Chairs

Il sun You, Korea Bible University, Korea

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General Vice Chairs

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Pan Koo Kim, Chosun University, Korea

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Fatos Xhafa, Technical University of Catalonia, Spain
Tao Yang, Fukuoka Institute of Technology, Japan

Important Dates

- Submission Deadline: March 10, 2011
- Authors Notification: April 25, 2011
- Author Registration: May 27, 2011
- Final Manuscript: May 27, 2011
- Symposium Dates: September 7 - 9, 2011

Submission Guidelines

Submit a full paper not more than six pages (Conference proceedings manuscripts: two column, single-spaced), including figures and references, using 10 font size, and number each page.

You can find instructions for authors, at the following web page:

<http://www.computer.org/portal/site/cscps/>

Prepare your paper in PDF file and submit it by e-mail to the symposium organisers Prof. Ilsun You (ilsunu at gmail.com) and Prof. Leonard Barolli (barolli at fit.ac.jp).

Accepted papers will be given guidelines in preparing and submitting the final manuscript(s) together with the notification of acceptance. Accepted papers will be published by the Conference Publishing Services (CPS) and archived in the Digital Library.